

|  |  |                                |  |  |           |                              |
|--|--|--------------------------------|--|--|-----------|------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>                |  |                                |  | 1 CONTRACT ID CODE   | PAGE<br>1 | OF PAGES                     |
| 2 AMENDMENT/MODIFICATION NO<br>0001                                      |  | 3 EFFECTIVE DATE<br>01/11/2011 |  | 4 REQUISITION/PURCHASE REQ NO<br>DTFAWA-11-R-00834   |           | 5 PROJECT NO (If applicable) |
| 6 ISSUED BY<br>Federal Aviation Administration<br>Washington, DC 20591   |  |                                |  | 7 ADMINISTERED BY (If other than Item 6)<br>Ms. Vickie Gordon Lewis<br>(202) 267-8356  |           |                              |
| 8 NAME AND ADDRESS OF CONTRACTOR (No, street county, State and ZIP Code) |  |                                |  | <input checked="" type="checkbox"/> 9A AMENDMENT OF SOLICITATION NO<br>DTFAWA-11-R-00834<br>9B DATED (SEE ITEM 11)<br>12/10/2010 |           |                              |
|  |  |                                |  | <input type="checkbox"/> 10A MODIFICATION OF CONTRACT/ORDER NO   |           |                              |
|  |  |                                |  | <input type="checkbox"/> 10B DATED (SEE ITEM 13)   |           |                              |
| *TO BE COMPLETED BY VENDOR IF NOT COMPLETE<br>CODE                       |  |                                |  | FACILITY CODE  |           |                              |

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☒ The above numbered solicitation is amended as set forth in Item 14 The hour and date specified for receipt of Offer is ☐ extended ☒ is not extended

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation on as amended, by one of the following methods

(a) By completing Item 8 and 15, and returning 1 copies of the amendment, (b) acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hours and date specified

12 ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**


|                          |   |
|--------------------------|---|
| <input type="checkbox"/> | A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A                         |
| <input type="checkbox"/> | B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office appropriation data etc.) SET FORTH IN ITEM 14 |
| <input type="checkbox"/> | C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF  |
| <input type="checkbox"/> | D OTHER (Specify type of modification and authority)  |

E **IMPORTANT:** Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)  
This Amendment is issued to provide SIR Questions and Answers and SIR Change pages I18, L17, L18 and CDRL G009.

The receipt date for proposals remains unchanged at 01/26/2011.

Except as provided herein all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed remains unchanged and in full force and effect

|  |                 |   |                            |
|--|-----------------|---|----------------------------|
| 15A NAME AND TITLE OF SIGNER (Type or print)                           |                 | 16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br>Vickie Gordon Lewis<br>Contracting Officer   |                            |
| 15B CONTRACTOR/OFFEROR<br><br>(Signature of person authorized to sign) | 15C DATE SIGNED | 16B UNITED STATES OF AMERICA<br>BY <br>(Signature of Contracting Officer) | 16C DATE SIGNED<br>1/11/11 |

**PART II - SECTION I  
CONTRACT CLAUSES**

**1-13-6 CONTRACTOR INTEGRATED BASELINE REVIEW (FEBRUARY 2009)**

(a) The Contractor (you) must participate in a FAA-conducted Integrated Baseline Review (IBR) with acceptable action plans approved by the Contracting Officer within 30 days after contract award or significant (as determined by the CO) contract modifications.

(b) The IBR will be conducted consistent with the NDIA Integrated Baseline Review (IBR) Guide.

(End of clause)

**THE REMAINDER OF THIS PAGE LEFT BLANK INTENTALLY.**

**PART IV - SECTION L  
INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS**

- Ohio University
- Engility Corporation
- AMT Corporation
- Arctic Slope Corporation
- Ferrell Consulting

**L.9 BUSINESS SIZE STANDARD**

For the purpose of this solicitation, the North American Industry Classification System (NAICS) code is 334511.

**PART IV - SECTION L**  
**INSTRUCTIONS, CONDITIONS AND NOTICES TO OFFERORS**

**EVALUATION TABLE L-1**

| CLIN | DESCRIPTION  | MODEL | Estimated QTY | UNIT PRICE | TOTAL ESTIMATED PRICE |
|------|--|-------|---------------|------------|-----------------------|
| 0001 | DME in accordance with Section C, Para 3.3                                     |       | 70            | \$ _____   | \$ _____              |
| 0002 | Dual DME In accordance with Section C, Para 3.3                                |       | 1             | \$ _____   | \$ _____              |
| 0004 | Bi-directional Antenna   |       | 2             | \$ _____   | \$ _____              |
| 0005 | Uni-directional Antenna  |       | 2             | \$ _____   | \$ _____              |
| 0006 | Site spare parts for CLIN 0001, 0002 in accordance with Section C, Para 3.10.6 |       | 71            | \$ _____   | \$ _____              |
| 0007 | Maintenance training in accordance with Section C, Para 3.10                   |       | 10            | \$ _____   | \$ _____              |
| 0008 | Additional technical instruction manuals                                       |       | 10            | \$ _____   | \$ _____              |
| 0009 | OT&E Training  |       | 1             | \$ _____   | \$ _____              |
| 0010 | First Article  |       | 3             | \$ _____   | \$ _____              |
| 0011 | Provisioning conference  |       | 1             | \$ _____   | \$ _____              |
| 0013 | CDRL A001 Program Management Plan  |       | 1             | \$ _____   | \$ _____              |
| 0014 | CDRL A002 Quarterly Program Status Report                                      |       | 1             | \$ _____   | \$ _____              |
| 0015 | CDRL A003 Meeting Agenda   |       | 1             | \$ _____   | \$ _____              |
| 0016 | CDRL A004 Meeting Minutes  |       | 1             | \$ _____   | \$ _____              |
| 0017 | CDRL B001 System Requirements Review Data                                      |       | 1             | \$ _____   | \$ _____              |
| 0018 | CDRL B002 System Design Review Data  |       | 1             | \$ _____   | \$ _____              |
| 0019 | CDRL B003 Preliminary Design Review Data                                       |       | 1             | \$ _____   | \$ _____              |

|   |  |   |  |  |                                    |   |  |          |  |     |  |
|---|--|---|--|--|------------------------------------|---|--|----------|--|-----|--|
| CONTRACT DATA REQUIREMENTS LIST<br>(1 Data Item)  |  |   |  |  |                                    | Form Approved<br>OMB No 0704 0188           |  |          |  |     |  |
| Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to DoD, Washington HQ Services Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the OMB Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of the addresses. Send completed form to the Government-issuing Contracting Officer for the Contract/PR No listed in Block E.   |  |   |  |  |                                    |   |  |          |  |     |  |
| A CONTRACT LINE ITEM NO<br><b>0062 &amp; 4062</b>   |  |   | B EXHIBIT<br>A                                 |  | C CATEGORY<br>TDP X    TM    OTHER |   |  |          |  |     |  |
| D SYSTEM ITEM<br>DME  |  |   | E CONTRACT / PR NO<br>DTFAWA-11-R-00834        |  |                                    | F CONTRACTOR                                |  |          |  |     |  |
| 1 DATA ITEM<br><b>G009</b>  |  | 2 TITLE OF DATA ITEM<br><b>TECHNICAL DATA PACKAGE (TDP)</b> |  |  |                                    | 3 SUBTITLE                                  |  |          |  |     |  |
| 4 AUTHORITY (Data Acquisition Doc No)<br>MIL-DTL-31000B   |  |   | 5 CONTRACT REFERENCE<br>SOW paragraph C 3 9 14 |  |                                    | 6 REQUIRING OFFICE<br>ATO-W GBNO            |  |          |  |     |  |
| 7 DD 250 REQ<br>LT  |  | 9 DIST<br>STATEMENT REQUIRED<br>N/A                         |  | 10 FREQUENCY<br>Block 16                         |                                    | 12 DATE OF FIRST SUBMISSION<br>See Block 16 |  |          |  |     |  |
| 8 APP CODE<br>A   |  | 11 AS OF DATE   |  | 13 DATE OF SUBSEQUENT SUBMISSION<br>See Block 16 |                                    | 14 DISTRIBUTION                             |  |          |  |     |  |
| 16 REMARKS<br>The Technical Data Package (TDP) shall consist of production drawings, commercial drawings and associated lists in accordance with MIL-DTL-31000B. Data shall be prepared in accordance with DI-DRPR-81000B and attached TDP selection worksheets (see attachment 1,2 for more detail requirements).<br><br><b>Block 10:</b> The Government shall have 120 days after receipt of the TDP to review and approve the submittal and/or provide comments to the contractor for incorporation into the final TDP. Contractor shall have 90 days for incorporation after receipt of government comments. This cycle will be applied until the final TDP is approved.<br><br><b>Block 12:</b> The first TDP shall be delivered 120 days after government acceptance of the first production system delivered under contract. This TDP shall be delivered in one set of hard copy and one set in AutoCAD release 14 or later in d w g format for all schematics and mechanical drawings, delivered on CD ROM and one set in Gerber files for each Printed Circuit Assembly, printed circuit board, or circuit card assembly delivered on CD ROM with one set of hard copy. For review cycle, see remark Block 10.<br><br><b>Block 13:</b> The final TDP shall be updated throughout performance of CDLS, as extended, with any change such as, but not limited to, modification, engineering change proposal (ECP), engineering change order (ECO), engineering change request (ECR) during the contract - see attachment 1. The final TDP shall be delivered 60 days after exercise of CLIN 4062.<br><br>The final TDP shall be delivered in one set of hard copy (of the updated drawing only) and two sets of Electronic in Auto Cad release 14 or later, d w g format, delivered on CD ROM, and two sets of Master pattern in Gerber files in CD ROM for each print wiring board or printed circuit board.<br><br>T D P worksheet and attached sheets see Attachments 1 and 2 to this CDRL. |  |   |  |  |                                    | a ADDRESSEE                                 |  | b COPIES |  |     |  |
|   |  |   |  |  |                                    | Draft                                       |  | Final    |  |     |  |
|   |  |   |  |  |                                    | Reg   |  | Repro    |  |     |  |
|   |  |   |  |  |                                    | GBNO COTR                                   |  | 2        |  | 2   |  |
|   |  |   |  |  |                                    | QRO   |  | 1        |  | 1   |  |
|   |  |   |  |  |                                    | GBNO CO                                     |  | LTO      |  | LTO |  |
|   |  |   |  |  |                                    | Soft Copy                                   |  | 1        |  | 2   |  |
|   |  |   |  |  |                                    | AML-7080                                    |  | 1        |  | 1   |  |
|   |  |   |  |  |                                    | AML-30                                      |  | 1        |  | 1   |  |
|   |  |   |  |  |                                    | 15 TOTAL →                                  |  | 6        |  | 7   |  |
|   |  |   |  |  |                                    |   |  |          |  |     |  |
| G PREPARED BY   |  |   | H DATE   |  | I APPROVED BY                      |   |  | J DATE   |  |     |  |

17 PRICE GRP

18 ESTIMATED  
TOTAL PRICE

\$

| No. | Document  | Paragraph                         | Page           | Question/Comment   | Response  |
|-----|-----------|-----------------------------------|----------------|--|---|
| 1   | SF-33     |                                   | N/A            | This appears to be a copy of the cover page. Can we receive the SF-33 document?  | A new SF-33 was posted on 12/14/10.   |
| 2   | Section C | C.3.3.1                           | 5              | The statement of work specifies that 75 feet of coaxial cable must be provided to interface the transponder and the monitor to the antenna. Are there minimum requirements for cable loss for the cable. The SOW indicates that one end of the cable must be terminated with an N connector. Please confirm that a connector must be supplied for the other end of the cables. | Yes the other connector is to be provided by the vendor.  |
| 3   | Section C | C.3.3.4                           | 6              | The SOW requires that 2 RS-232 ports be provided (one for the RMM and one for the MDT). Are other types of serial ports permitted? (e.g. USB or RS-422).   | As long as the SOW RS-232 port requirement is met additional ports are acceptable but not required.   |
| 4   | Section C | C.3.7.2<br>C.3.7.2.1<br>C.3.7.2.2 | 18<br>19<br>20 | The need for FRACAS is indicated for 1 <sup>st</sup> article testing and several other specific tests. Please indicate if a FRACAS is only required for these specific tests or if it is required throughout the program. Should an existing CDRL be used to document the Failure Reporting and Corrective Action System?  | Yes. The FRACAS Reports are to be part of the Test Reports as stated in the SOW.  |
| 5   | Section C | C.3.7.2.2                         | 23             | We understand per Section C.3.3 and C.3.7.2.2 that two systems system will be subjected to the 4000 hour reliability demonstration. We assume that if these systems pass the reliability demonstration, the FAA will issue a type certification for all systems delivered thereafter. Is this a correct assumption?  | This assumption is incorrect. This contract has nothing to do with type certification. There is a completely different process for Non-Fed Approval. The 4000 hour reliability demonstration is part of this contract only. |

| No. | Document  | Paragraph  | Page | Question/Comment   | Response   |
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| 6   | Section C | C.3.7.2.5  | 22   | This paragraph of the SOW indicates which paragraphs of MIL-STD-461 apply. Please confirm that these requirements should be tailored in accordance with ground, Navy requirements (as indicated in FAA-G-2100).  | Do no concur. The requirement as stated in the SOW stands.   |
| 7   | Section C | C.3.9.4    | 25   | C.3.9.4 indicates that for COTS and non-developmental items LMI data is to the LRU level. Would the government confirm that if a COTS solution is offered that LMI data need only be to the LRU level?   | The system being provided under this contract is considered developmental. The only components considered to be COTS are those items that are commercially available to the general public. Any items that were developed internally by the vendor for this or other systems will be treated as developmental items. |
| 8   | Section C | C.3.9.11   | 27   | This paragraph indicates requirements for modules to be tested using ATE. Please indicate what determines if a module is to be tested using ATE.   | All reparable LRUs will require testing using ATE.   |
| 9   | Section C | C.3.9.11   | 28   | This paragraph in the SOW requires that TPSs are developed for the Teradyne TS86 ATE. Will other options for TPSs (based on existing contractor equipment) be considered? Is the documentation requirement for the TPSs the same as that detailed in G009? | No, no other options will be accepted. Yes, the same documentation will be required and any additional documentation indicating how to use and maintain the TPS.   |
| 10  | Section C | C.3.9.13   | 32   | Does this contract require parts lists to the component level in Section 8 of the T.I.B.?  | Yes.   |
| 11  | Section C | C.3.12.3.4 | 44   | CDLR I024 is listed as part of Software Documentation but the CDRL DID item 7.2 indicates the CDRL applies to HWCI. Please   | CDRL I024 is required for both hardware and software Item  |

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|     |                     |                      |         | provide a clarification on whether the CDRL I024 is required for both hardware and software configuration items.  | Development Specifications.   |
| 12  | Section E           | N/A                  | N/A     | This appears to be a copy of Section C. Can we receive the Section E?   | A new Section E was posted on 12/10/10.   |
| 13  | Section I           | 1.13.5(a)            | 17      | There is a requirement for an Integrated Master Schedule (IMS) with a data item. We believe this should be included in the SOW with an associated CDRL item? In addition, the inclusion of the IMS should be over and above the 75 page limitation because the only place for inclusion is Volume 1.  | Section I, Clause 1-13-5 Integrated Master Schedule is superseded by the requirements of the Program Management Plan (PMP). The clause will be deleted from Section I. The PMP is required under the contract and not the SIR. Therefore, the page count for Volume 1 is unchanged. |
| 14  | Section L           | L.3.2.1.1            | 10      | The requirement is to provide a system for evaluation and a set of site spares. In addition a set of pre-faulted modules are required and one set of site spares for use in inserting ad-hoc faults on the site. Is it required that only one set of site spares be supplied or two?  | One set of pre-faulted modules is required and one set of site spares for the FAA to insert faults is required. It is up to the vendor to decide if any additional site spares will be provided.  |
| 15  | Section L Section M | L.3.2.1.2<br>M.2.1.2 | 10<br>4 | Section L.3.2.1.2 and M.2.1.2 encourages the offeror to include provisions to accommodate product updates made by the offeror in its normal course of business. What requirements will the FAA impose on changes with regard to testing? Must normal changes be retrofitted on earlier units to assure a common configuration in the FAA inventory? | The referenced sections deal with the proposed ICDLS approach and not product updates during production.  |
| 16  | Section L           | L.4.b                | 16      | Should the contractor present a narrative about   | A narrative about the past  |



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|     |           |           |      | the past performance programs as Volume 6 in addition to the customer provided questionnaires? If so, please provide a desired content.  | performance programs is not desired. The past performance questionnaires will be sufficient.   |
| 17  | Section L | L.5       | 16   | We assume that only one system will be required for the pre-award functional testing. If this assumption is correct, please indicate the configuration of the desired system (E.g. Single or Dual, High or Low Power, Omni-directional, Bi-directional, or Uni-directional antenna). | Only one system is required for the pre-award functional testing. The configuration is a dual system IAW Section C.3.3.a.2) with an omni-directional antenna.  |
| 18  | Section L | L.5       | 16   | What is duration of the pre-award functional testing?  | It is anticipated that the pre-award functional testing will take approximately four (4) weeks depending on the number of vendors participating.   |
| 19  | Section L | L.5       | 16   | What is the disposition of the provided system and associated equipment?   | Upon completion of the pre-award functional testing each vendor will be required to remove their system from the FAA's test facility. The FAA will provide the same security and privacy for equipment removal as was provided for the installation. |

| No. | Document       | Paragraph                         | Page   | Question/Comment  | Response   |
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| 20  | Section L      | Evaluation Table L-1              | 18, 23 | The evaluation table does not list the omnidirectional antenna CLIN as an item to be evaluated. Existing FAA DME used the omnidirectional antenna at almost all installations. NextGen DMEs will primarily use Omnidirectional antennas for RNAV. To allow for a complete comparison of prices it is recommended the omnidirectional antenna be included in the evaluation. | Do no concur. The omni-directional antenna is part of the DME system. The omni-directional antenna was included in Section B will be used to replace older antennas and antennas damaged/destroyed by Acts of God. |
| 21  | Section L      | Evaluation Table L-1              | 18, 23 | CLINs 0006, 1006....4006 represent site spares for both single and dual systems. In the event that a dual system has a different spares complement compared to a single system, it is recommended to have CLINs for single spares kits and dual spares kits.  | Do not concur. In a dual system the primary and hot standby system are presumed to be identical and therefore there is no need to have differing spares kits.  |
| 22  | Section M      | M.2.2.1                           | 7      | Paragraph M.2.2.1 indicates that "For Cost / Price evaluation purposes only an estimated quantity of 250 systems is used." The tables in section L indicate a quantity of 215 systems. How will the total price for the 250 systems used in the Cost / Price evaluation be derived.   | Table L-1 will be changed to show CLIN 0001 Quantity 70 and CLIN 0006 Quantity 71.   |
| 23  | Attachment J-3 | CLIN 0062 & 4062 – Data Item G009 | 98     | CLIN 0062 & 4062 indicates that "the file TDB shall be delivered 60 days after exercise of CLIN 5076." We did not find CLIN 5076 in the CDRL listing or pricing tables. Can you please define CLIN 5076?  | CDRL G009 will be corrected to reflect the correct CLIN. CLIN 5076 will be corrected to CLIN 4062.   |
| 24  | Attachment J-9 | 1                                 | N/A    | Several of the required test equipment items are unattainable due to obsolescence, model availability, and functionally insufficient (e.g. Narda 766 does not provide a 40db attenuator). Can the contractor provide replacement items that are functionally equivalent or better for the   | Yes. Attachment J-9 states that equivalent test equipment is acceptable.   |

| No. | Document | Paragraph | Page | Question/Comment   | Response  |
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|     |          |           |      | test evaluation?   |   |
|     | GENERAL  |           |      |  |   |
| 25  |          |           |      | We are planning to have the equipment arrive prior to Jan 31. What is the earliest the equipment can arrive?   | Equipment can arrive in Atlantic City at any time; however, it cannot arrive at the test site (Bldg 196) until January 31, 9:00 AM.   |
| 26  |          |           |      | We are planning on having an employee meet the goods upon delivery, will that be acceptable?   | Yes.  |
| 27  |          |           |      | Will the equipment be stored in an enclosed weather proof warehouse and will it be segregated from competitor's equipment?                             | The equipment will be moved into Bldg 196 on January 31. A lottery will held to determine the order of equipment movement and its location. The equipment will be segregated by ten foot high partitions and restricted vendor movement. No vendor will be allowed in the bldg without a government escort. |
| 28  |          |           |      | We are planning on supplying 75 feet of cable to connect to the antenna for testing, will that be sufficient? If not, how much cable should we supply? | Yes. 75 ft of cable is sufficient.  |